

# APPENDIX A

## LIST OF ACRONYMS AND ABBREVIATIONS

A/A	air to air
A/G	air to ground
AAF	Director, Airway Facilities Service
AAR	airport acceptance rate
AAR	Director, Aviation Research
AAS	advanced automation system
AASS	advanced airport security system
AAT	Director, Air Traffic Service
AC	advisory circular
ACARS	aircraft communications addressing and reporting system
ACE	automated surface observing system controller equipment
ACEP	Aviation Capacity Enhancement Plan
ACO	aircraft certification office
ACS	Assistant Administrator for Civil Aviation Security
ACT	Director, William J. Hughes Technical Center
ADAP	airport development aid program
ADAS	automated weather observing system/automated surface observing system data acquisition system
ADL	aeronautical data link
ADS	automatic dependent surveillance
ADS-A	automatic dependent surveillance–address
ADS-B	automatic dependent surveillance–broadcast
ADTN	aeronautical data telecommunications network
ADW	Andrews Air Force Base
AERA	automated en route air traffic control
AF	airway facilities
AFB	air force base
AFDPS	automated flight data processing system
AFS	Director, Flight Standards Service
AFSS	automated flight service station
AFSSVS	automated flight service station voice switch
AFSSWS	automated flight service station work station
AFTN	aeronautical fixed telecommunications network
AFZ	Director, Resource Management, Air Traffic Services
AGATE	advanced general aviation transport equipment
AGFS	aviation gridded forecast system
AHR	Assistant Administrator, Human Resource Management

AHL	Director, Labor and Employee Relations
AIA	Automation Interface Adapter
AIDC	air traffic services interfacility data communications
AIP	airport improvement program
AIR	Director, Aircraft Certification Service
AIRMET	airman's meteorological information
AIS	aeronautical information system
AIT	Assistant Administrator, Information Technology
ALDARS	automated lightning detection and reporting system
ALS	approach lighting system
ALSF	approach light system with sequenced flashing lights
ALSIP	approach lighting system improvement program
AMA	FAA Academy (Mike Monroney Aeronautical Center)
AMASS	airport movement area safety system
AMC	Director, Mike Monroney Aeronautical Center
AMCC	air route traffic control center maintenance control center
AMCP	aeronautical mobile communications panel (ICAO)
AMI	Director, Information Services, MMAC
AMIS	Aircraft Management Information System
AMP	automated message processor (at ARINC, Inc. facility)
AMQ	Director, Acquisition Support Division, MMAC
AMS	acquisition management system
AMSC	American SuperConductor Corporation
AMSS	aeronautical mobile satellite service
AND	Director, Communication, Navigation, and Surveillance Systems (CNS)
ANF/ATC	air navigation facility/air traffic control
ANICS	Alaskan national airspace system interfacility communications system
ANS	Director, National Airspace System Transition and Integration Service
ANSI	American National Standards Institute
AOA-1	Administrator, Federal Aviation Administration
AOAS	advanced oceanic automation system
AOC	airline operations center
AOS	Director, Operational Support Service
AOP	Director, NAS Operations Service
AOVCC	automated observation visibility and cloud cover
AOZ	Director, Free Flight Phase 1 Program
APB	acquisition program baseline
API	Assistant Administrator For Policy, Planning, and International Aviation
APS-1	airport planning standard, number one
ARA	Associate Administrator for Research and Acquisition
ARC	acquisition review committee

ARC	Assistant Administrator for Region/center Operations
ARINC	Aeronautical Radio, Incorporated
ARN	Director, System Planned Programs
ARNS	Aeronautical Radionavigation Service
ARP	Associate Administrator for Airports
ARS	Director, Air Traffic System Requirements Service
ARSR	air route surveillance radar
ARTCC	air route traffic control center
ARTS	automated radar terminal system
ARU	Director, Air Traffic System Development
ARW	Director, Aviation Weather
ASAS	aviation safety analysis system
ASD	Director, Office Of System Architecture and Investment Analysis
ASDE	airport surface detection equipment
ASI	aviation safety inspector
ASIS	aviation standards information system
ASOS	automated surface observing system
ASR	airport surveillance radar
ASR	Director, Spectrum Policy and Management
ASR-WSP	airport surveillance radar – weather system processor
AST	Associate Administrator for Commercial Space Transportation
ASTERIX	all-purpose structural EUROCONTROL radar information exchange
ASW	Director, Southwest Region (FAA)
ASWON	aviation surface weather observation network
ASY	Assistant Administrator for System Safety
AT	air traffic
ATC	air traffic control
ATCBI	air traffic control beacon interrogator
ATCRBS	air traffic control radar beacon system
ATCSCC	air traffic control system command center
ATCT	airport traffic control tower
ATE	automated test equipment
ATIDS	airport surface target identification system
ATIS	automated terminal information service
ATL	Hartsfield Atlanta TRACON
ATM	air traffic management
ATN	aeronautical telecommunications network
ATNSI	automated telecommunications network system integration
ATO	Director, Air Traffic Operations
ATOMS	air traffic operational management system
ATS	Associate Administrator for Air Traffic Services

ATSTT	Air Traffic Services Test Team
AT&T	American Telephone and Telegraph
AUA	Director, Air Traffic Systems Development
AVG	automatic voice generation
AVN	Director, Aviation System Standards
AVR	Associate Administrator for Regulation and Certification
AWOS	automated weather observing system
AWP	aviation weather processor
AWP	Director, Western-Pacific Region (FAA)
AWPG	aviation weather products generator

B	billion
BAE	British Aerospace
BANS	BRITE alphanumeric subsystem
BCATS	bar code asset tracking system
BCS	buoy communications system
BD	begin decommission
BI	beacon interrogator
BMN	baseline management notice
BRITE	bright radar indicator tower equipment
BUEC	backup emergency communications
BWI	Baltimore-Washington International airport

CA	conflict alert
CAASD	Center for Advanced Aviation System Development
CAD/CAE	computer-aided design/computer aided engineering
CADD	computer-aided design and drafting
CAEG	computer aided engineering graphics
CAI	contract acceptance inspection
CAMI	Civil Aeromedical Institute
CAPS	computer assisted passenger screening
CAS	commercially available software
CASA	controller automation spacing aid
CAT	category
Cat I/II/III	category I/II/III (aircraft approaches)
CBA	cost-benefit analysis
CBI	computer-based instruction
CBT	computer-based training
CCLD	core capability limited deployment
CDM	collaborative decisionmaking
CDMnet	CDM network

CDRL	contract data requirements list
CD-ROM	compact disk read-only memory
CDS	computer distribution system
CDTI	cockpit display of traffic information
CENRAP	center radar automated radar terminal system presentation
CERAP	center radar approach control
CFE	communications facilities expansion
CFMSS	computerized flight monitoring and scheduling system
CFR	Code of Federal Regulations
CHI	computer-human interface
CIMS	corporate information management system
CIP	capital investment plan
CMI	computer-managed instruction
CNS	communication, navigation, and surveillance
CNS/ATM	communication, navigation, and surveillance/air traffic management
COI	critical operational issue
CONOPS	concept of operations
CONUS	continental United States
CORN	computer resources nucleus
COTS	commercial-off-the-shelf
CP	conflict probe
CPC	controller-pilot communication
CPDLC	controller-pilot data link communication
CRDA	converging runway display aid
CSA	corporate system architecture
CTAP	Chicago Terminal Airspace Project
CTAS	center TRACON (terminal radar approach control) automation system
CTS	coded time source
CTS	critical telecommunications support
CWSU	center weather surface unit
CY	calendar year
DA	descent advisor
DAFIS	departmental accounting and financial information system
DARC	direct access radar channel
DASI	digital altimeter setting indicator
D-ATIS	digital automatic terminal information service
DBMS	database management system
DBRITE	digital bright radar indicator tower equipment
DBRITE-R	digital bright radar indicator tower equipment replacement
DCA	Ronald Reagan Washington National Airport

DCCR	display channel complex replacement
DEDS	data entry and display subsystem
DEM/VAL	demonstration/validation
DF	direction finder
DFW	Dallas-Fort Worth Airport or Dallas TRACON
DISN	defense information systems network
DL	data link
DME	distance measuring equipment
DMN	data multiplexing network
DOD	Department of Defense
DOJ	Department of Justice
DOT	Department of Transportation
DOTS	dynamic ocean tracking system
DSP	departure sequencing program
DSR	display system replacement
DSS	decision support system
DSSS	decision support system services
DTW	Detroit Metropolitan Wayne County Airport
DUAT	direct user access terminal
DVD	digital versatile disc
DVRS	digital voice recorder system
EAA	Experimental Aircraft Association
EARTS	en route automated radar tracking system
ECMS	environmental control and monitoring system
EDC	early display configuration
EDMS	electronic document management system
EDS	explosive detection system
EFGS	end fire glide slope
EFIS	electronic flight information system
EGPWS	enhanced ground proximity warning system
ELT	emergency locator transmitter
EM	electromagnetic
EMC	Environmental Modeling Center
EMRS	energy management reporting system
EOSL	end of service life
EPA	Environmental Protection Agency
ERDI	en route domain infrastructure
ERMS	environmental remote monitoring system
ET	emergency transceiver
ETA	estimated time of arrival

ETG	electronic target generator/enhanced target generator
ETMS	enhanced traffic management system
ETR	emergency transceiver replacement
ETVS	enhanced terminal voice switch
EWR	Newark International Airport
F&E	facilities and equipment
FAA	Federal Aviation Administration
FAATC	Federal Aviation Administration technical center
FAATSAT	Federal Aviation Administration telecommunications satellite
FANG	FMS-ATM Next Generation
FANS	future air navigation system
FAR	Federal Aviation Regulation
FAST	final approach spacing tool
FDAD	full digital automated radar terminal system display
FDIO	flight data input and output
FDM	flight data management
FDP	flight data processor
FEMA	Federal Emergency Management Agency
FFP1	Free Flight Phase 1
FFRDC	federally funded research and development center
FFTS	full-fidelity training simulator
FICS-21	FAA integrated communications system for the 21st century
FIR	flight information region
FIS	flight information service
FISDL	flight information services data link
FL	flight level
FM	frequency modulation
FMA	final monitor aid
FMS	flight management system
FOC	full operating capability
FOQA	flight operational quality assurance
FPS	military primary radar
FRP	Federal Radionavigation Plan
FSAS	flight service automation system
FSC	final system capacity
FSD	full-scale development
FSDPS	flight service data processing system
FSM	flight schedule monitor
FSRM	facility security risk management
FSS	flight service station

FST	fuel storage tank
FTS	federal telecommunications system
FY	fiscal year
G-IPPA	government-industry project performance agreement
GA	general aviation
GAO	General Accounting Office
GDP	ground delay program
GEO	geostationary
GFIS	GPS flight inspection system
G/G	ground to ground
GHz	gigahertz
GIS	geographic information system
GLONASS	global navigation satellite system
GMCC	general national airspace system maintenance control center
GNSS	global navigation satellite system
GOMP	Gulf of Mexico program
GPRA	Government Performance and Results Act
GPS	Global Positioning System
GPWS	ground proximity warning system
GSA	General Services Administration
GSIP	generic site implementation plan
GUI	graphical user interface
GUS	GEO uplink system
GWDS	graphic weather display system
GWS	graphic weather service
HA	high altitude
HARS	high-altitude route system
HAZMAT	hazardous materials
HCS	host computer system
HD	high density
HF	high frequency
HIA	host interface adapter
HID	host interface device
HID/NAS LAN	host interface device/National Airspace System local area network
HIS	human-system integration
HOCSR	Host/oceanic computer system replacement
HP	Hewlett Packard
HSCT	high-speed civil transport
HVAC	heating, ventilation, and air-conditioning



HW/SW	hardware and software
IA	interagency agreement
IAD	Dulles International Airport
IAPA	instrument approach procedures automation
I-BEAM	integrated baseline establishment and monitoring
IBI	initial beacon interrogator
IBM	International Business Machines
ICAO	International Civil Aviation Organization
ICE-MAN	integrated computer environment--mainframe and networking
iCMM	integrated capability maturity model
ICP	initial conflict probe
ICSS	integrated communications switching system
IDS	information display system
IDU	interactive display unit
I/F	interface
IFQA	integrated flight quality assurance
IFR	instrument flight rules
IGWDS	interim graphic weather display system
ILS	instrument landing system
IMC	instrument meteorological conditions
IMT	integrated management team
INFOSEC	information security
INS	inertial navigation system
IOC	initial operating capability
IOT&E	independent operational test and evaluation
IPCSS	in-plant contract support services
IPDS	integrated product development system
IPLT	integrated product leadership team
IPT	integrated product team
IRD	interface requirements document
ISD	inservice decision
ISD	interim situation display
ISMS	integrated security management system
IT	information technology
ITDL	initial terminal data link
ITMRA	information technology management and reform act
ITWS	integrated terminal weather system
JAI	joint acceptance inspection
JFK	John F. Kennedy Airport

JRC	Joint Resources Council
Kbps	kilobytes per second
KDP	key decision point
kHz	kilohertz
LAAS	local area augmentation system
LAN	local area network
LAX	Los Angeles International Airport
LCCE	life cycle cost estimate
LDRCL	low-density radio communications link
LEDFAA	layered elastic design FAA
LINCS	leased interfacility NAS communications system
LIS	logistics information system
LLWAS	low-level windshear alert system
LOB	line of business
LORAN	long-range navigation
LORAN-C	long-range navigation - C system
LRR	long-range radar
LRU	line replacement unit/lowest replaceable unit
M	million
M1FC	model one full capacity (flight service automation system)
MALSF	medium intensity approach light system with sequenced flashing lights
MALSR	medium intensity approach light system with runway alignment indicator lights
MAPS	minimum acceptable performance standard
MASPS	minimum aviation system performance standard
MC	multi-center
MCC	maintenance control center
MDCRS	meteorological data collection and reporting system
MDT	maintenance data terminal
Met.	meteorological
MHz	megahertz
MIT	miles in trail
MIT/LL	Massachusetts Institute of Technology/Lincoln Laboratory
MK-20	Mark Twenty
MLS	microwave landing system
MMAC	Mike Monroney Aeronautical Center
MNS	mission need statement
Mode C	LORAN Mode C system
Mode S	mode-select (secondary radar discretely addressable mode with data link)

MOPS	minimum operational performance standard
MPAR	multi-purpose airport radar
MPS	maintenance processor subsystem
MSAW	minimum safe altitude warning
MSBR	master schedule baseline report
MSODL	multisector oceanic data link
MSP	Minneapolis-St. Paul International Airport and TRACON
MSSR	monopulse secondary surveillance radar
MTBF	mean time between failure
MTTR	mean time to repair
MVR	multichannel voice recorder
N/A	not applicable
NAD	North America datum
NADIN	national airspace data interchange network
NAIS	national airspace integrated logistics support
NAS	National Airspace System
NAS RD	national airspace system requirements document
NASA	National Aeronautics and Space Administration
NASDAC	national aviation safety data analysis center
NASMAP	national airspace system management automation program
NASR	national airspace system resources subsystem
NASSI	NAS status information
Navaid	navigation aid
NCAR	National Center for Atmospheric Research
NCARC	National Civil Aviation Review Commission
NCEP	National Center for Environmental Prediction
NDB	non-directional beacon
NDI	non-developmental item
NESDIS	national environmental satellite data information service
NEXCOM	next-generation air/ground communications system
NEXRAD	next-generation weather radar
NEXTOR	National Center of Excellence for Aviation Operations Research
NIAC	National Airspace System Information Architecture Committee
NIC	network interface card
NIMS	national airspace system infrastructure management system
NIS	national airspace system-wide information services
NISC	national airspace system implementation support contract
NISS	national airspace system information security system
NIST	National Institute of Standards and Technology
nmi	nautical mile

NMCC	National Maintenance Control Center
NOAA	National Oceanic and Atmospheric Administration
NOCC	National Operational Control Center
NODA	national operational data archive
NOTAM	notice to airmen
NPF	NAS premier facility
NPIAS	National Plan of Integrated Airport Systems
NRC	National Research Council
NSF	National Science Foundation
NSOC	NAS Support Operations Center
NSSL	National Severe Storms Laboratory
NSTB	national satellite test bed
NTIA	National Telecommunications Information Agency
NTSB	National Transportation Safety Board
NWS	National Weather Service
NWSTG	National Weather Service telecommunications gateway
OAG	official airline guide
OAP	oceanic automation program
OASIS	operational and supportability implementation system
OCAT	Oklahoma City Airport Trust
OCC	operational control center
OCS	offshore computer system
ODALS	omnidirectional approach lighting system
ODAPS	oceanic display and planning system
ODF	oceanic development facility
ODL	oceanic data link
ODMS	operational data management system
OE/AAA	obstruction evaluation/airport airspace analysis
OFDPS	offshore flight data processing system
OMB	Office of Management and Budget
OPS	operations
ORD	Chicago O'Hare International Airport
ORD	operational readiness demonstration
OSDS	oceanic system development and support
OS	operating system
OSF	operational support facility
OSH	occupational safety and health
OSHA	Occupational Safety and Health Administration
OSHECCOM	Occupational Safety, Health And Environmental Compliance Committee
OST	Office of the Secretary of Transportation

OSTS	operational support telephone system
OT&E	operational test and evaluation
OTPS	oceanic traffic planning system
P <sup>3</sup> I	preplanned product improvement
PAMRI	peripheral adapter module replacement item
PAPI	precision approach path indicator
PAS	procurement automated system
PAT&E	production acceptance test and evaluation
PATS	precision automated tracking system
PBX	private branch exchange
PCB	polychlorinated biphenyl
PCB&T	personnel compensation, benefits, and travel
PCS	permanent change of station
PCT	Potomac TRACON
PDC	predeparture clearance
PDT	product development team
pFAST	passive final approach spacing tool
PFC	passenger facility charge
PHL	Philadelphia International Airport
PIC	pilot in command
PIPS	prime item product specification
PIREP	pilot report
P.L.	Public Law
PMP	program management plan
PPSS	portable performance support system
PRM	precision runway monitor
PSN	packet switching network
PT	product team
PTR	program trouble report
PUP	principal user processor
PVD	plan view display
RA	resolution advisory
RADS	radar and alphanumeric display subsystem
RAPCON	radar approach control
RCAG	remote communications air/ground
RCAS	radio coverage analysis system
RCE	radio control equipment
RCL	radio communications link
RCO	remote communications outlet

RCOM	recovery communications
R&D	research and development
RD	requirements document
RDVS	rapid deployment voice switch
R,E&D	research, engineering and development
REIL	runway end identifier lights
RF	radio frequency
RFI	radio frequency interference
RFP	request for proposal
RIRP	runway incursion reduction program
RGL	regulatory and guidance library
RMC	remote management and control
RML	radar microwave link
RMM	remote maintenance monitoring
RMMS	remote maintenance monitoring system
RMS	remote monitoring subsystem
R-NAV	area navigation
RNP	required navigation performance
RPG	radar products generator (next generation weather radar)
RRCS	remote radio control system
RRI	router reference implementation
RTCA	RTCA, Incorporated
RTP	resource tracking program
RTR	remote transmitter/receiver
RVR	runway visual range
RVSM	reduced vertical separation minima
SAM	system for acquisition management
SAR	search and rescue
SARP	standards and recommended practices
SATMS	space and air traffic management system
SC	single center
SCT	Southern California TRACON
SD	situation display
SDP	surveillance data processor
SEAMS	safety and environmental assessment management system
SEIPT	security equipment integrated product team
SETA	systems engineering and technical assistance
SI	selective interrogation
SIAP	standard instrument approach procedure
SIC	second in command

SIGMET	significant meteorological information
SIR	screening information request
SLEP	service life extension program
SLS	system level specification
SMA	surface movement advisor
SMS	surface movement system
SOC	service operations center
SPAS	safety performance analysis system
SPEARS	screener proficiency evaluation and reporting system
SSA	simplified short approach
SSB	single side band
SSF	system support facility
SSR	secondary surveillance radar
STARS	standard terminal automation replacement system
STDMA	self-organizing time division multiple access
STL	Lambert/St. Louis International Airport
STVS	small tower voice switch
SUA	special use airspace
SWAP	severe weather avoidance program
SWIT	software integration test
TACAN	tactical air navigation
TAP	tower automation program
TAS	terminal automation sustainment
TBD	to be determined
TCAS	traffic alert and collision avoidance system
TCDC	technical computer data center
TCP/IP	transmission control protocol/internet protocol
TCW	terminal controller workstation
TDLS	tower data link services
TDMA	time division multiple access
TDRE	terminal radar digitizing, replacement, and establishment
TDS	terminal display system
TDW	tower display workstation
TDWR	terminal Doppler weather radar
TEB	Teterboro (NJ) Airport
TERPS	terminal instrument procedures
TFM	traffic flow management
TFM DSS	traffic flow management decision support system
TIPT	telecommunications integrated product team
TIS	traffic information service

TMA	traffic management advisor
TMC	traffic management center
TML	television microwave link
TMS	traffic management system
TMU	traffic management unit
TP	telecommunications processor
TRACON	terminal radar approach control
TSARC	transportation system acquisition review council
TSD	terminal software development
TSO	technical standard order
TSSC	technical support services contract
TVSR	terminal voice switch replacement
TWDL	terminal weather data link
TWIP	terminal weather information for pilots
U.S.	United States
U.S.C.	United States Code
UAT	universal access transceiver
USCG	United States Coast Guard
UHF	ultra high frequency
UPS	uninterruptable power supply
UPT	user-preferred trajectory
URET	user request evaluation tool
VASI	visual approach slope indicator
VDL	voice data link
VERN	very high frequency extended range network
VFR	visual flight rules
VHF	very high frequency
VOR	very high frequency omnidirectional range
VOR/DME	very high frequency omnidirectional range with distance measuring equipment
VORTAC	very high frequency omnidirectional range collocated with tactical air navigation
VOT	very high frequency omnidirectional range test
VRRP	voice recorder replacement program
VSBP	voice switch bypass
VSCS	voice switching and control system
VSRS	voice switch replacement system
VTABS	voice switching and control system training and backup switches
WAAS	wide area augmentation system
WAN	wide area network



WARP	weather and radar processor
WECO-300	Western Electric Company 300 switch
WJHTC	William J. Hughes Technical Center
WMS	WAAS master station
WMSCR	weather message switching center replacement
WRS	WAAS reference station
WS	work station
WSP	weather systems processor
WV	wake vortex
WX	weather
Y2K	year 2000
ZAU	Chicago ARTCC
ZDV	Denver ARTCC
ZFW	Fort Worth ARTCC
ZID	Indianapolis ARTCC
ZLA	Los Angeles ARTCC
ZMA	Miami ARTCC
ZME	Memphis ARTCC
ZMP	Minneapolis-St. Paul ARTCC
ZOA	Oakland ARTCC
ZTL	Atlanta ARTCC

